

Application No. 09/681,354  
Amendment "C" dated December 21, 2005  
Reply to Office Action mailed October 17, 2005

### REMARKS

The non-final Office Action, mailed October 17, 2005, considered and rejected claims 1, 2, 4-15, 17, 18, 20-29, 31, 32, and 36-41.<sup>1</sup>

By this paper, claims 1, 2, 8, 13, 17, and 21 have been amended and claim 42 is new<sup>2</sup>. Accordingly, claims, 1-2, 4-12, 14-15, 17-18, 19-29, 31-32 and 36-42 remain pending, of which claims 1, 13, 17 and 21 are the only independent claims at issue.

The present claims are generally directed to embodiments in which a hardware card (claim 1), a corresponding television tuning device (claim 13) and corresponding methods (claims 17 and 21) are utilized to enable a user to access EPG data other than EPG data the television tuning device was originally programmed to receive. In particular, embodiments of the invention utilize a hardware card containing data that is made available to the television tuning device and that enables the television tuning device to obtain Electronic Program Guide (EPG) information from various providers. In some embodiments, the data enables the television tuning device to access EPG information from a plurality of different providers.

In claim 1, for example, server, upon being connected to by the television tuning device at a corresponding URL, uses additional identification information indicative of a type of electronic program guide obtained from the hardware card to determine a type of programming guide information that has been purchased by a consumer of the card and that is associated with the additional identification information, and thereafter enables the television tuning device to

<sup>1</sup> Claims 1-2, 4-5, 8, 10-12 and 40 were rejected under 35 U.S.C. 103(a) as being unpatentable over Takagawa et al. (U.S. Patent No. 5,987,612) in view of Nguyen et al. (U.S. Patent Application Publication No. 2002/0010932) in further view of Tsuria (U.S. Patent No. 6,405,369). Claims 6-7, 9 and 31-32 were rejected under 35 U.S.C. 103(a) as being unpatentable over Takagawa et al. in view of Nguyen et al. in further view of Tsuria in further view of De Vito et al. (U.S. Patent No. 6,452,616). Claims 13-15, 17-18, 20, and 36-38 were rejected under 35 U.S.C. 103(a) as being unpatentable over Nguyen et al. in view of Takagawa et al. (U.S. Patent No. 5,987,612) in further view of De Vito et al. Claim 41 was rejected under 35 U.S.C. 103(a) as being unpatentable over Nguyen et al. in view of Takagawa in further view of De Vito et al. in further view of Tsuria. Claims 21-25 and 39 were rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuria in view of De Vito et al. in further view of Nguyen et al. Claim 26 was rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuria in view of De Vito et al. in further view of Nguyen et al. in further view of Forrester (Can Sleepy Set-Top Boxes Ever Be Sexy-Fall 1999, TBS Archives). Claim 27 was rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuria in view of De Vito et al. in further view of Nguyen et al. in further view of the U.S. Department of Justice (Undercover Customs Operation Results in Charges and Pleas in Connection with Stolen Satellite Television). Claim 28 was rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuria in view of De Vito et al. in further view of Nguyen et al. in further view of Copper et al. (U.S. Patent No. 6,754,904). Claim 29 was rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuria in view of De Vito et al. in further view of Nguyen et al. in further view of Spies et al. (U.S. Patent no. 6,055,314).

<sup>2</sup> Support for the amendments to the claims are found throughout the specification and previously presented claims, including, but not limited to the cancelled claims, and paragraphs 8, 23, 26, 30-34, 36, 40, 45-48, of the specification.

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access the one or more electronic program guides that provide the type of electronic program guide information that has been purchased.

In other embodiments, such as in claims 13, 17 and 21, the data enables the television tuning device to obtain EPG data from a provider other than the provider that the television tuning device was originally configured/hard-coded to obtain EPG data from. This can occur, for example, by utilizing the data on the hardware card, which includes:

- an EPG decoding segment configured to use the loadable information to decode encoded electronic program guide information received from its corresponding electronic program guide provider and to use loadable information to identify a specific transmission network, from among the one or more transmission networks, over which its encoded electronic program guide information is to be received;

- a database segment configured to transfer the loadable data for its corresponding electronic program guide provider into the other internal components; and

- a user interface segment configured to displays instructions corresponding to what a user must do to load the loadable data for its corresponding electronic program guide provider onto the television tuning device and to enable the television tuning device to access electronic program guide information from its electronic program guide provider over the specific transmission network.

A hardware card can correspond to a level of quality associated with the specified transmission network (claim 42).

Although the Examiner has cited numerous references (eight references) against the previously pending claims, Applicants respectfully submit that the currently amended claims are neither anticipated by, nor made obvious by, the cited art, when considered alone or in combination.

Initially, Applicants respectfully submit that primary references, Nyguyen, Takagawa, De Vito, and Tsuria fail to disclose or suggest a hardware card that is utilized to enable a television tuning device to access EPG data other than EPG data the television tuning device was originally programmed to receive, in the manner claimed. In fact, Takagawa is not even directed to a television tuning device or an analogous art. Instead, Takagawa is directed to a computing system that provides automatically executed access to the Internet to automatically retrieve and process WWW information. (Summary). As expressly mentioned, Takagawa provides beginners in personal computers with easy access the Internet. (Col. 1, ll. 65-67).

Tsuria is directed to propagating smart card settings between smart cards. (Summary). The cited disclosure of Tsuria includes loading a first card into a card reader, reading and storing

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settings from the first smart card, inserting a second into a card reader, and updating the settings of the second card with the settings of the first card. (Summary). Embodiments of Tsuria can be used to reactivate deactivated cards for purposes of decoding pay television transmissions. (Summary). However, Tsuria fails to disclose or suggest the use of a hardware card, as claimed that includes an EPG decoding segment, database segment and user interface segment, as claimed. Further, Tsuria is not related to, and in fact does not even mention, electronic program guides.

Nguyen, is directed to a tuning device for accessing program guides other than a program guide the device was programmed to receive. (paragraph 46). However, Nguyen clearly fails to disclose or suggest that access to alternative program guides is provided through a hardware card, as claimed. Instead, Nguyen provides access to other electronic program guides in response to user input directed to a web browser. [47]. Nguyen also provides means for detecting and differentiating between input that is directed to the browser and program guide or a television function and for responding appropriately. [48]. Applicants submit the disclosure of Nguyen is also limited to electronic program guides accessible from a single network, the World Wide Web ("WWW").

Nguyen also discloses that the system can be configured to use smart cards [35]. However, Takagawa, Nguyen, and Tsuria both fail, even in combination, to disclose or suggest that a server, upon being connected to by the television tuning device, uses additional identification information obtained from the hardware card to determine the type of electronic program guide information that has been purchased by a consumer of the card, and thereafter enables the television tuning device to access one or more electronic program guides by returning information as to how and where to receive the type of electronic program guide information purchased with the card and associated with the additional identification information.

De Vito is directed to loading a portion of a user-interface from a smart card. (Summary). The cited disclosure of De Vito shows a television decoder (Figure 1) that can load a user interface (Figure 2) partially from a smart card and which, according to the Office Action, includes a decoder segment, a database segment, and a segment to provide a user-interface. Even if this were true, arguendo, Applicants respectfully submit that instructing a user how to access user-interface data on a smart card is different than specifying how and where a user can

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necessitate alternate electronic program guide information, as claimed. Furthermore, with regard to requiring the user to enter at least one of a credit card number and an authentication code to load the information (claim 32), Applicants also submit that this is quite different than providing a password to unlock a parental lock, as referred to in the office action.

Nguyen, Takagawa, and De Vito fail, alone or in combination, to suggest a method or system in which a hardware card includes:

- an EPG decoding segment for each of the corresponding one or more electronic program guide providers, wherein each EPG decoding segment includes means for decoding encoded EPG information obtained from the corresponding one or more electronic program guide providers and for identifying a specific transmission network, from among one or more transmission networks, over which encoded electronic program guide information is to be received;

- a database segment having means for enabling transfer of the data from the hardware card onto the television tuning device such that the television tuning device can decode encoded electronic program guide information received via the specific transmission network; and

- a user interface segment which displays instructions corresponding to what a user must do to load the data onto the television tuning device and to enable the television tuning device to access the one or more electronic program guides over a specified corresponding transmission network.

as essentially recited in independent claims 13, 17, and 21 and particularly when considering that the tuning device switches to an electronic program provider other than the particular electronic program guide provider that is hard-coded, in accordance with and in response to accessing the loadable information stored on the hardware card and the type of electronic program guide is that desired and purchased by a user.

In view of the fact that the Examiner has cited so many references, and because some of the references appear to be directed to non-analogous arts, Applicants continue to submit that the simple fact that something may be possible, does not make it obvious. In particular, the "FACT THAT THE CLAIMED INVENTION IS WITHIN THE CAPABILITIES OF ONE OF ORDINARY SKILL IN THE ART IS NOT SUFFICIENT BY ITSELF TO ESTABLISH *PRIMA FACIE* OBVIOUSNESS." MPEP § 2143.01. This is true even all of the elements are taught by the cited art, which they do not appear to be for at least the foregoing reasons.

Furthermore, Applicants also point out that with regard to any art or official notice that might be combined by the Examiner in any future rejection of this case, that the motivation for making such a combination must come from the references themselves, not the Applicant's own

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application, otherwise such a combination represents impermissible hindsight. In particular, as stated by the MPEP § 2143, "The teaching or suggestion to make the claimed combination and the reasonable expectation of success must both be found in the prior art, not in application's disclosure." MPEP 2143. In re Vaeck, 947 F.2d 488 (Fed. Cir. 1991)(emphasis added).

Even more particularly, to establish a prima facie case of obviousness, "the prior art reference (or references when combined) must teach or suggest all the claim limitations." MPEP § 2143 (emphasis added). Accordingly, "[i]n determining the difference between the prior art and the claims, the question under 35 U.S.C. 103 is not whether the differences themselves would have been obvious, but whether the claimed invention as a whole would have been obvious." MPEP § 2141.02. In light of these requirements, the prior art must illustrate specifically each limitation without improper combinations to show elements that simply do not exist in the cited references. In other words, it is improper to reject the claims as obviously stating what one of skill in the art might have done without specifically citing where such an element is disclosed. Obviousness may not be based on impermissible hindsight, using "knowledge gleaned only from applicant's disclosure." MPEP § 2145(X)(A).

In view of the foregoing, Applicants respectfully submit that there would be no motivation or suggestion provided in Nguyen, Takagawa, and Tsuria to combine their teachings, even if they did disclose or suggest all of the claimed limitations of the independent claim 1, which they don't. Further, Applicants respectfully submit that there would be no motivation or suggestion provided in Nguyen, Takagawa, and De Vito to combine their teachings, even if they did disclose or suggest all of the claimed limitations of the independent claims 13 and 17, which they don't. Additionally, Applicants respectfully submit that there would be no motivation or suggestion provided in Tsuria, De Vito, and Nguyen to combine their teachings, even if they did disclose or suggest all of the claimed limitations of the independent claim 21, which they don't.

In view of the foregoing, the rejections of record are now moot, inasmuch as all of the independent claims have been distinguished from the art, and such that it is not necessary to address each of the other assertions of record in the last response. Nevertheless, Applicants reserve the right to challenge any of said assertions in the future.<sup>3</sup> Accordingly, although the

<sup>3</sup> Although the prior art status and some of the assertions made with regard to the cited art is not being challenged at this time, because it is not necessary, for reasons described herein, Applicants reserve the right to challenge the prior art status and assertions made with regard to the cited art, as well as any official notice, which was taken in the last

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foregoing remarks are primarily directed to the independent claims, it will be appreciated that the dependent claims should also be found allowable over the art of record for at least the same reasons.

Although it is not necessary to individually address the rejections to each of the dependent claims at this time. Nevertheless, a few of the dependent claims will be addressed by the following remarks, as discussed during the interview, to even further distinguish the claimed invention over the art of record.

Claims 31 and 32, for example, relate to embodiments in which the hardware card further includes information specifying to a user what the user must do to load, to the television tuning device, the data that enables the television tuning device to access the one or more electronic program guides and wherein the information specifies that the user must enter at least one of a credit card number and an authentication code.

The Examiner has cited De Vito as purportedly teaching these things. However, the cited disclosure of De Vito (Figure 2) merely shows a user interface and which, according to the Examiner, "instructs a user how to access data on the smart card." Even if this were true, *arguendo*, Applicants respectfully submit that instructing a user how to access data on a smart card is different than specifying how and where a user can access alternate electronic program guide information. Furthermore, with regard to requiring the user to enter at least one of a credit card number and an authentication code to load the information (claim 32), Applicants also submit that this is quite different than providing a password to unlock a parental lock, as referred to by the Examiner.

Claim 42, for example, relates to embodiments in which the hardware card corresponds to a level of quality associated with the specified transmission network. None of cited references alone or in combination disclose or suggest a hardware card corresponding to a level of quality associated with the specified transmission network.

In view of the foregoing, Applicants respectfully submit that the pending claims are distinguished from the art of record, for at least the foregoing reasons and should now be

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response, at any appropriate time in the future, should the need arise, such as, for example in a subsequent amendment or during prosecution of a related application. Accordingly, Applicants' decision not to respond to any particular assertions or rejections in this paper should not be construed as Applicant acquiescing to said assertions or rejections.

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considered in condition for allowance. In the event that the Examiner finds remaining impediment to a prompt allowance of this application that may be clarified through a telephone interview, the Examiner is requested to contact the undersigned attorney.

Dated this 21<sup>st</sup> day of December, 2005

Respectfully submitted,



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